

What affects Information Technology Capability: A Meta-Analysis on Aspects that Influence Information Technology Capability

Emergent Research Forum papers

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Abstract

The extent to which a firm deploys IT resources in conjunction with other resources is sometimes referred to as IT capability. The aim of this paper is to investigate what affects IT capability. To understand the aspects that affect IT capability, we systematically examined prior literature. We identified four generic IT capability aspects (organizational, people, relational and technical IT competencies) and conducted a meta-analysis to examine to what extent these four aspects affected IT capability.

Our early results suggest most variance in IT capability can be explained by organizational IT competence. However, upon further analyses our results became inconclusive. We believe an extension of our study would advance insights on aspects affecting IT capability. We discuss the limitations of our study and suggest directions for future research.

Keywords (Required)

IT capability, Information Technology capability, meta-analyses, effect size, fixed effects model.